

COMMON PARTIES AND ADDRESS AND		GOLDMAN REINDORF ARCHITECTS, INC. 427 WATERTOWN ST. NEWTON, MA 02458 MARCH 2, 2012		TITLE PAGE, DRAWING LIST, KEY, & NOTES	CITY OF NEWTON POLICE STATION - INNER VESTIBULE 1321 WASHINGTON ST. NEWTON, MA 02465
CONSTRUCTION DOCUMENT SET	UCTION DO	100% CONSTR	NO REVISION DATE		
FIRE PROTECTION  FP1 - FIRE PROTECTION 1ST FLOOR	FIRE PRO		FLOORING TYPES:  F1 - NEW VCT FLOORING W/RUBBER BASE		
ELECTRICAL 1ST FLOOR FIRE ALARM PLAN	E5 - ELECTR FIRE AL		WALL FINISH TYPES:  (WT) - PREP AND PAINT WALL		
ELECTRICAL 1ST FLOOR LIGHTING PLAN	E4 - ELECTR LIGHTII	NEW EXIT SIGN	HWZ - ENTRY FUNCTION LOCKSET  HW3		
ELECTRICAL 1ST FLOOR POWER & SIGNAL PLAN	E3 - ELECTR POWER	© NEW CAMERA  © EXISTING SMOKE DETECTOR  E EXISTING EXIT SIGN	DOOR HARDWARE TYPES: SEE SPEC HWI)		
ELECTRICAL 1ST FLOOR DEMOLITION PLAN	E2 - ELECTR DEMOI		(D3) - NEW 3'-0" X 7'-0" SPECIALTY LEVEL 4 BULLET RESISTANT ALUM. DOOR AND FRAME		
CTRICAL ELECTRICAL LEGEND	ELECTRICAL E1 - ELECTRIC	HC NEW WALL-MOUNTED ACTUATOR	» × ERC		
CHANICAL - MECHANICAL 1ST FLOOR	MECHANICAL M1 - MECHANIC	T NEW T-STAT	R KEY: SFI		
DOOR ELEVATIONS	A5 - DOOR		<b>!</b> □		
LS	A4 - DETAILS		AX SECTION DETAIL TAD		
PLAN ELEVATIONS & DETAILS	A3 - ELEVA	*E EXISTING OUTLET  EXISTING OUTLET			
1ST FLOOR REFLECTED CEILING	A2 - 1ST FL	C EXISTING CARD READER C NEW CARD READER  \$ FXISTING LIGHT SWITCH	A# #> ELEVATION TAG.  ALIGN ALIGN		
1ST FLOOR CONSTRUCTION	A1 - 1ST FL	#	WALL TYPE TAG. SEE A15 FOR TYPES.		
1ST FLOOR DEMOLITION FLOOR PLAN	D1 -	EXISTING EQUIPMENT TO BE REMOVED.	NEW WALL. SEE PLAN FOR WALL TYPES.		
- TITLE PAGE, DRAWING LIST, KEY, AND NOTES	T1 - TITLE PAGE, DR KEY, AND NOTE	EXISTING DOOR TO REMAIN.  EXISTING DOOR TO BE REMOVED.	DOOR TYPE————————————————————————————————————		
RAWING LIST		DEMOLITION AND PLAN KEY:	DRAWING KEY:  WALL FINISH———————————————————————————————————		
			ON ST. 02465	1321 WASHINGTON ST NEWTON, MA 02465	NEWTON, MA 02458
210		BOS	TIBULE	INNER VEST	WATERTO
CK + KURTZ		WSP FI	TION	POLICE ST/	GOLDMAN REINDORF
	FUCINEER		MON	CITY OF NE	ARCHITECT

	WIRING DEVICE LEGEND
Φ	DUPLEX RECEPTACLE OUTLET: 125V; WALL MOUNTED
0	DUPLEX RECEPTACLE OUTLET: 125V; CEILING MOUNTED
•	WALL PHONE OUTLET
\$	SINGLE POLE SWITCH

WII	RING		EVICE SUBSCRIPT LEGEND
Φ •	а	=	LOWER CASE LETTER INDICATES SWITCH CONTROL
⊕ 6	6	=	NUMBER INDICATES CIRCUIT NUMBER
<b>⊕</b> 16	IG	=	ISOLATED GROUND (ONE OF DOUBLE DUPLEX)
\$ a	a	=	LOWER CASE INDICATES SWITCH CONTROL

SECURITY LEGEND		
	FIXED CCTV CAMERA	
MS	MOTION SENSOR	
PB	PUSH BUTTON REQUEST TO EXIT DEVICE	
CR	CARD READER	



	LIGHTING LEGEND
	LIGHTING FIXTURE, SIZE APPROXIMATELY AS SHOWN; CEILING MOUNTED
2 a A	LIGHTING FIXTURE SUBSCRIPTIONS: NUMBER INDICATES CIRCUIT, LOWERCASE LETTER INDICATES SWITCH CONTROL UPPERCASE LETTER INDICATES FIXTURE TYPE
EXIT SIGNS	ARROWS AS SHOWN, ILLUMINATED FACE AS INDICATED BY SHADING, CONNECT TO EMERGENCY POWER SYSTEM
<b>▼</b>	EXIT SIGN; CEILING MOUNTED

FIRE ALARM LEGEND		
Р	MANUAL PULL STATION	
3	AREA SMOKE DETECTOR, CEILING MOUNTED (SMOKE DETECTOR, SEMI-FLUSH MOUNTED IN CEILING)	
S ±	COMBINATION FIRE ALARM SPEAKER/VISUAL ALARM; WALL MOUNTED	

## **GENERAL NOTES:**

- 1. THE ELECTRIC CODE REFERRED TO SHALL BE THE MASSACHUSETTS ELECTRIC CODE LATEST EDITION AS WELL AS ALL LOCAL CODE REQUIREMENTS.
- 2. VISIT THE SITE TO DETERMINE ALL PRE-EXISTING CONDITIONS AND WORK NECESSARY PRIOR TO SUBMISSION OF BID PRICE.
- 3. COORDINATE WITH THE GENERAL CONTRACTOR, OTHER TRADES AND MANUFACTURER'S SHOP DRAWINGS. COORDINATE EXACT LOCATIONS AND ROUGHING IN DIMENSIONS OF ALL EQUIPMENT AND MAKE ALL FINAL CONNECTIONS AS REQUIRED, I.E., POWER, CONTROL, INTERLOCK, ETC.
- 4. ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH OSHA, NFPA STANDARDS, THE ELECTRIC CODE AND THE LOCAL GOVERNING AUTHORITIES. THE DRAWINGS AND SPECIFICATIONS DO NOT ATTEMPT TO INDICATE ALL WORK REQUIRED BY CODES AND AUTHORITIES.
- 5. TEST ALL EQUIPMENT AND SYSTEMS INSTALLED TO CERTIFY COMPLIANCE WITH DRAWINGS, SPECIFICATIONS, CODES, LOCAL AUTHORITIES AND REGULATIONS. INCLUDE LABOR AND COSTS FOR TESTING, REVIEWS, APPROVALS AND CERTIFICATIONS.
- 6. PROVIDE TRAINING TO OWNER ON ALL EQUIPMENT AND SYSTEMS INSTALLED.
- 7. IN GENERAL, DRAWINGS ARE DIAGRAMMATIC ONLY. EXACT LOCATION, MOUNTING HEIGHTS OF EQUIPMENT AND ROUTING OF RACEWAYS SHALL BE COORDINATED WITH THE EQUIPMENT REQUIREMENTS AND FIELD CONDITIONS.
- 9. ELECTRIC METALLIC TUBING SHALL BE USED FOR BRANCH CIRCUIT HOMERUNS IN EXPOSED, UNFINISHED AREAS. MINIMUM SIZE SHALL BE 3/4 INCH. PROVIDE RIGID STEEL CONDUIT BELOW 8 FEET AND IN AREAS SUBJECT TO ABUSE. FLEXIBLE METAL CONDUIT WITH PVC COATING SHALL BE USED FOR CONNECTIONS TO MOTORS AND VIBRATING EQUIPMENT.
- 12. SUPPORT ALL WORK FROM THE BUILDING STRUCTURE.
- 13. ELECTRICAL WORK SHALL BE RECESSED INTO WALLS OR INSTALLED ABOVE HUNG CEILINGS UNLESS OTHERWISE INDICATED.
- 14. DO NOT INSTALL OUTLETS BACK TO BACK. PROVIDE 24 INCH SPACING IN FIRE RATED WALLS
- 15. PROVIDE ELECTRICAL OUTLET PLATE GASKETS SEALS AT RECEPTACLES, SWITCHES AND OTHER ELECTRICAL BOXES ON EXTERIOR WALLS AND INTERIOR WALLS BETWEEN CONDITIONED AND NON-CONDITIONED SPACES.
- 16. WIRE AND CONDUIT SIZES INDICATED ON HOMERUNS SHALL BE CONTINUOUS THROUGHOUT CIRCUIT.
- 17. FURNISH AND INSTALL CODE REQUIRED STARTERS AND DISCONNECTS WHICH ARE NOT FURNISHED WITH THE EQUIPMENT.
- 18. INSTALL A GREEN GROUNDING CONDUCTOR WITHIN EACH RACEWAY SIZED IN ACCORDANCE WITH THE ELECTRIC CODE.
- 19. INSTALLATION OF RACEWAYS UNDER THE BUILDING OR IN THE FLOOR SLAB WILL NOT BE ACCEPTABLE UNLESS SPECIFICALLY INDICATED OTHERWISE.
- 20. PROVIDE NRTL LISTED SMOKE AND FIRE SEALS AT ALL PENETRATIONS THROUGH FLOORS OR FULL HEIGHT (SLAB TO SLAB) WALLS.
- 21. ALL BRANCH CIRCUIT CONDUCTORS SHALL BE COPPER MINIMUM #12 AWG. SIZE UNLESS OTHERWISE INDICATED.
- 22. ALL CONDUCTORS INSTALLED UNDERGROUND SHALL BE COPPER, SIZE AS INDICATED, USE-2/RHW-2 INSULATION, 600 VOLTS RATED UNLESS OTHERWISE INDICATED.
- 23. TEMPORARY LIGHTING AND POWER SHALL BE PROVIDED AS REQUIRED BY OSHA, CODES AND LOCAL AUTHORITIES. REMOVE ALL TEMPORARY FACILITIES AT PROJECT COMPLETION.

## **DEMOLITION NOTES:**

- 1. DEMOLITION WORK SHALL BE DONE BY THE GENERAL CONTRACTOR UNLESS OTHERWISE INDICATED. COORDINATE ALL WORK CONCERNING EXISTING EQUIPMENT AND SERVICES REMAINING IN THE BUILDING. DE-ENERGIZE CIRCUITS AND RECONNECT CIRCUITS TO REMAIN THAT ARE DISRUPTED DURING DEMOLITION.
- 2. IN AREAS WHERE NEW LIGHTING IS INDICATED, REMOVE EXISTING FIXTURES AND REMOVE OR DEAD END AND ABANDON EXISTING WIRING AS REQUIRED BY JOB CONDITIONS.
- 3. WHERE EXISTING OUTLETS ARE NOT TO BE REUSED, THEY SHALL BE REMOVED OR ABANDONED AND THE WIRING REMOVED OR DEAD ENDED AS REQUIRED BY JOB CONDITIONS. WHEN ABANDONED, BLANK PLATES SHALL BE INSTALLED.
- 4. WHERE EXISTING EQUIPMENT IS TO BE RELOCATED, THE EXISTING WIRING SHALL BE EXTENDED TO THE NEW LOCATION OR REMOVED OR ABANDONED AND NEW WIRING INSTALLED AS INDICATED.
- 5. REMOVE EXPOSED OR ACCESSIBLE WIRING, TO EQUIPMENT OR OUTLETS TO BE REMOVED OR RELOCATED, UNLESS OTHERWISE INDICATED.
- 6. WHERE EXISTING OUTLETS ARE TO REMAIN AND ARE CUT OFF BY THE REMODELING THEY SHALL BE PICKED UP AND CONNECTED TO CIRCUITS AS REQUIRED BY JOB CONDITIONS
- 7. WHERE EXISTING EQUIPMENT IS INDICATED TO BE REMOVED DISCONNECT EQUIPMENT AND LOWER TO FLOOR FOR REMOVAL FROM AREA BY THE GENERAL CONTRACTOR. OFFER EQUIPMENT TO OWNER. DISPOSE OF EQUIPMENT THE OWNER DOES NOT WISH TO RETAIN.
- 8. WIRING INDICATED TO BE REMOVED OR SERVING EQUIPMENT TO BE REMOVED SHALL BE REMOVED BACK TO THE SOURCE OR TO THE NEXT JUNCTION POINT IF THE WIRING SERVES OTHER OUTLETS TO REMAIN. CONDUIT OVER UNDISTURBED CEILINGS SHALL REMAIN AND BE LABELED ABANDONED ON EACH END. CONDUIT UNDERGROUND OR IN CONCRETE SLABS SHALL BE MADE FLUSH AND SEALED WATERTIGHT AND GAS—TIGHT USING O.Z. GEDNEY OR EQUAL FITTINGS.
- PRECONNECT EXISTING CIRCUITRY WHICH ORIGINATES OR PASSES THROUGH THE RENOVATED AREAS BUT SERVES OTHER AREAS NOT BEING RENOVATED. EXTEND THESE CIRCUITS AS MAY BE NECESSARY TO THE EXISTING PANELBOARDS.
- 10. COORDINATE WORK CONCERNING EXISTING EQUIPMENT AND SERVICES IN THE BUILDING. COORDINATE REQUIRED POWER INTERRUPTIONS AND PERFORM AT TIME CONVENIENT TO OWNER. INCLUDE COSTS FOR REQUIRED PREMIUM TIME.
- 11. BE RESPONSIBLE FOR VERIFYING THE INTEGRITY AND CONDITION OF THE EXISTING BRANCH CIRCUIT WIRING WHICH IS TO BE REUSED FOR NEW EQUIPMENT. WIRING FOUND TO BE NON-FUNCTIONAL SHALL BE REPLACED.

## **WIRING NOTES:**

- 1. RACEWAYS ARE INDICATED ON DRAWINGS ONLY FOR SPECIFIC ROUTES OR SPECIAL CONDITIONS.
- 2. WIRING AND CONDUIT SHALL BE REQUIRED BETWEEN ALL OUTLETS INDICATED WITH CIRCUIT NUMBERS AND PANEL DESIGNATIONS.
- 3. ALL SWITCH CONTROLS SHALL BE PROVIDED WITH WIRING AND CONDUIT AS REQUIRED.
- 4. ALTHOUGH NOT ALL BRANCH CIRCUIT WIRE AND CONDUIT IS SHOWN, IT IS THE INTENT OF THESE DOCUMENTS THAT A COMPLETE BRANCH CIRCUIT WIRING SYSTEM BE INSTALLED.
- 5. RACEWAYS SHALL BE LIMITED TO SIX CURRENT CARRYING CONDUCTORS (THREE PHASE AND THREE NEUTRALS) AND GROUNDING CONDUCTOR, UNLESS OTHERWISE INDICATED. PROVIDE A DEDICATED NEUTRAL CONDUCTOR FOR EACH SINGLE PHASE CIRCUIT, EXCEPT FOR LIGHTING CIRCUITS, UNLESS AN OVERSIZED NEUTRAL IS SPECIFICALLY INDICATED.
- 6. WIRING INDICATED BY CIRCUIT NUMBER SYMBOL SHALL INCLUDE A NEUTRAL WHEN THE LOAD SERVED HAS PROVISIONS FOR, OR REQUIRES A NEUTRAL.

## CITY OF NEWTON POLICE STATION - INNER VESTIBULE

1321 WASHINGTON ST. NEWTON, MA 02465 ELECTRICAL LEGEND

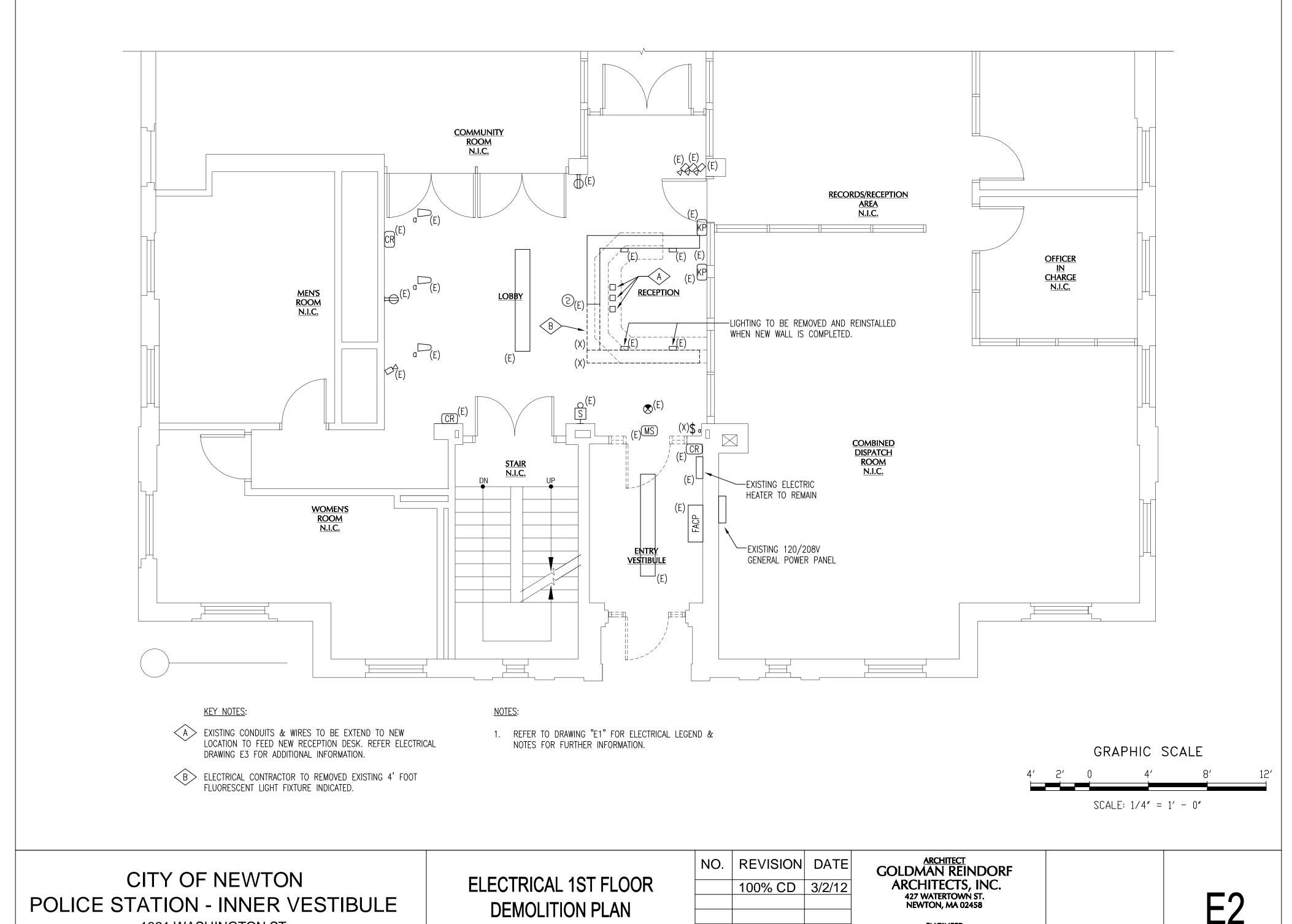
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	100% CD	3/2/12

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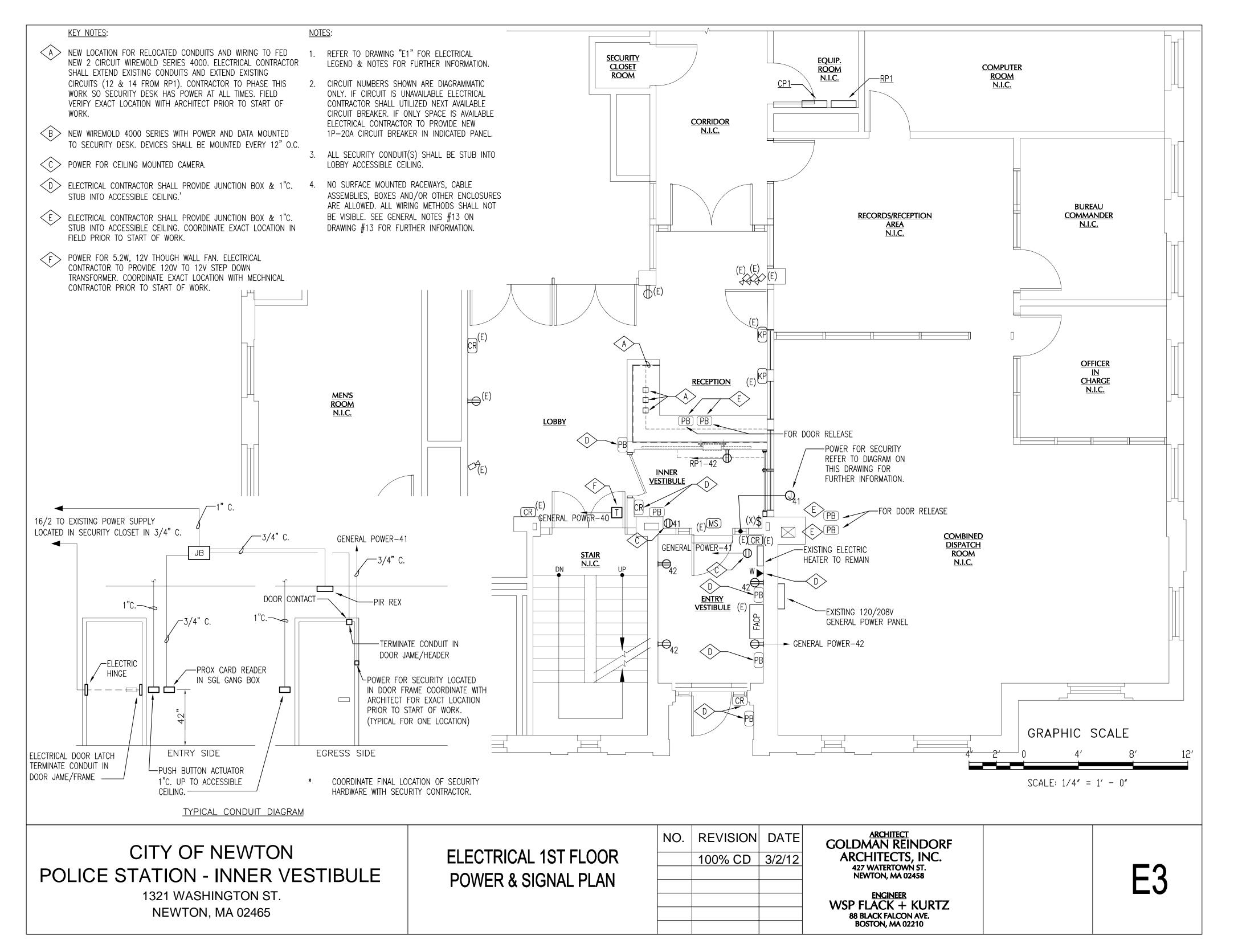


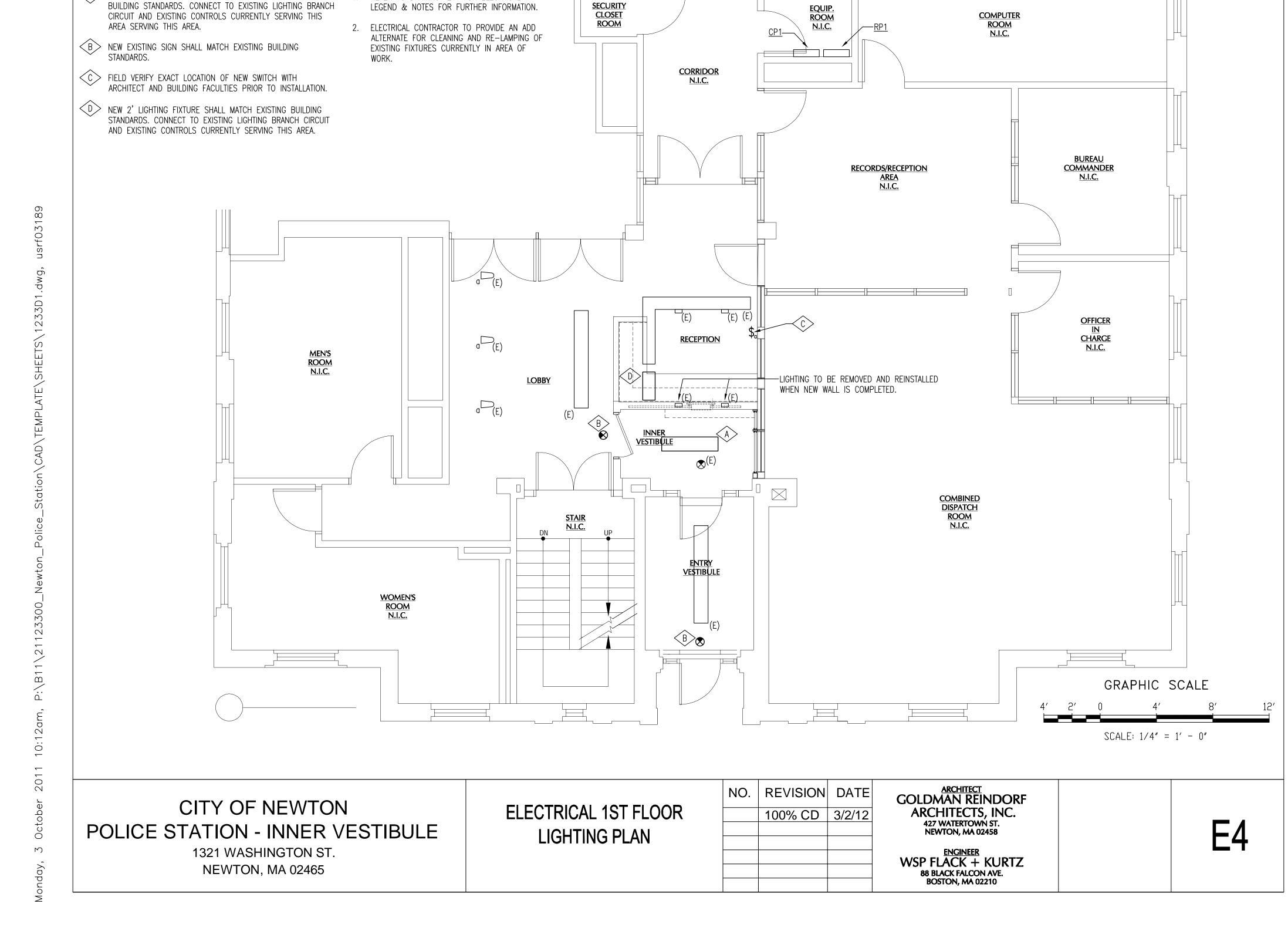
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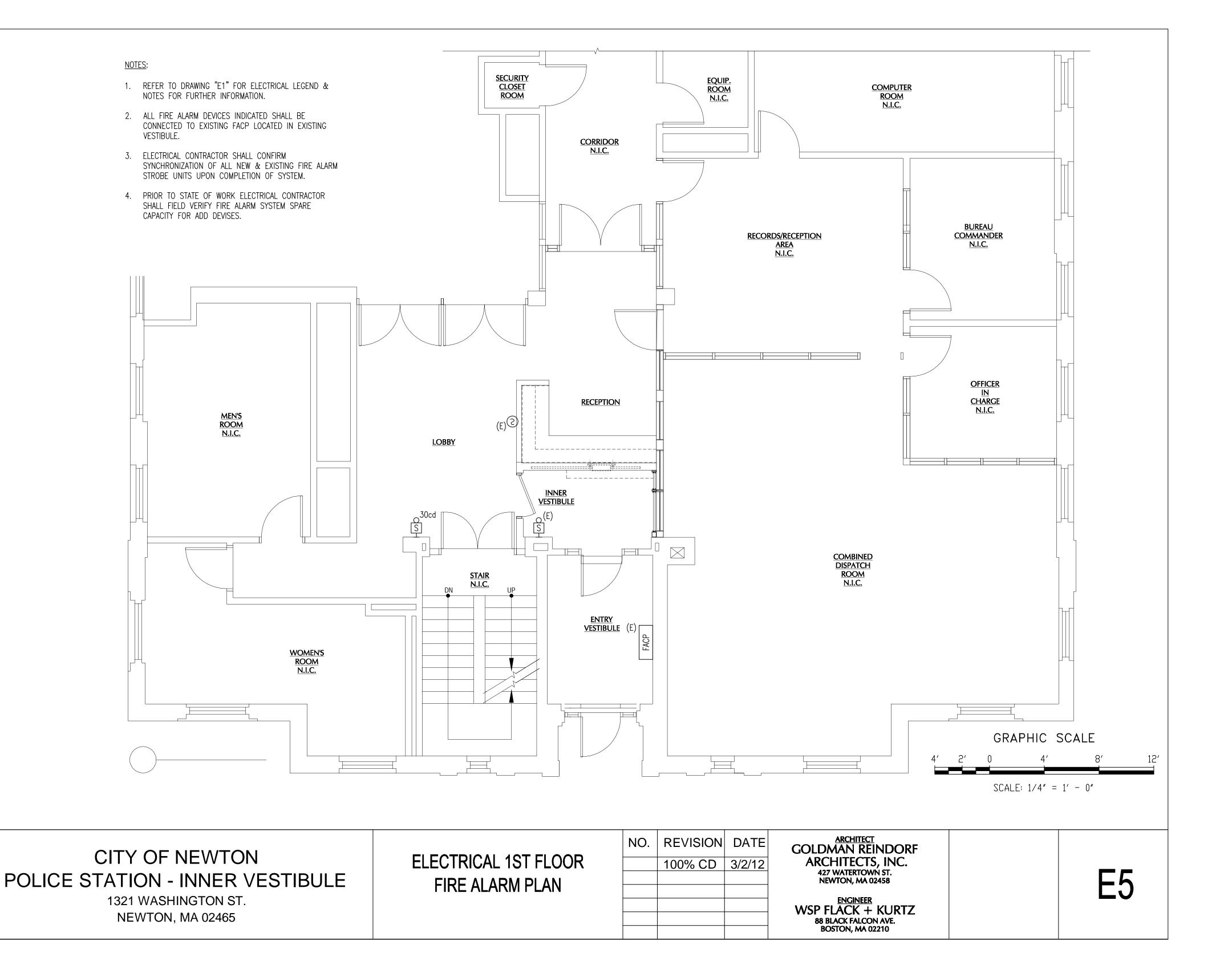


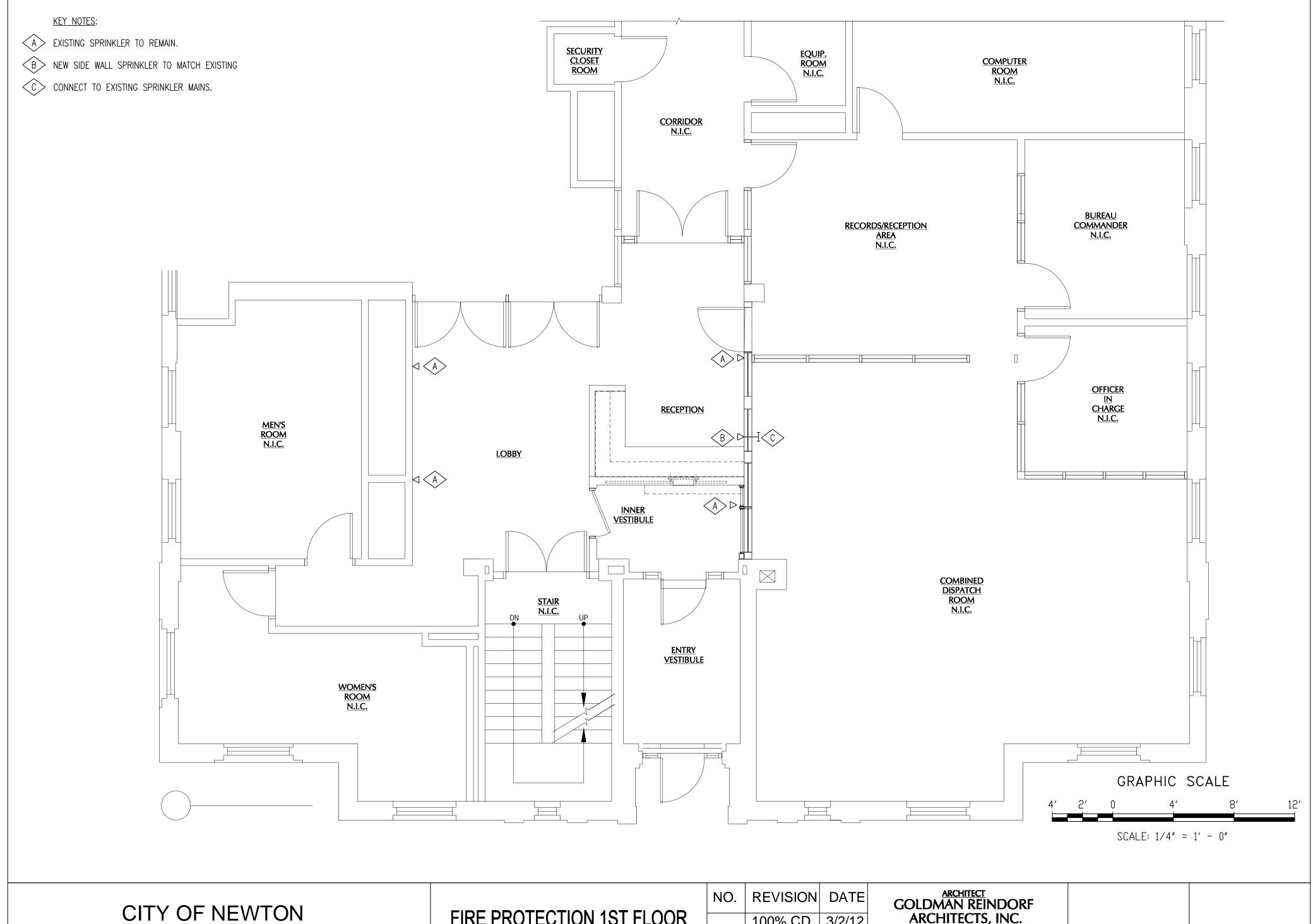
**KEY NOTES**:

A NEW PENDANT LIGHTING FIXTURE SHALL MATCH EXISTING

NOTES:

1. REFER TO DRAWING "E1" FOR ELECTRICAL





POLICE STATION - INNER VESTIBULE 1321 WASHINGTON ST. NEWTON, MA 02465

FIRE PROTECTION 1ST FLOOR

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